

Technical Tools for Shoreline Evaluation



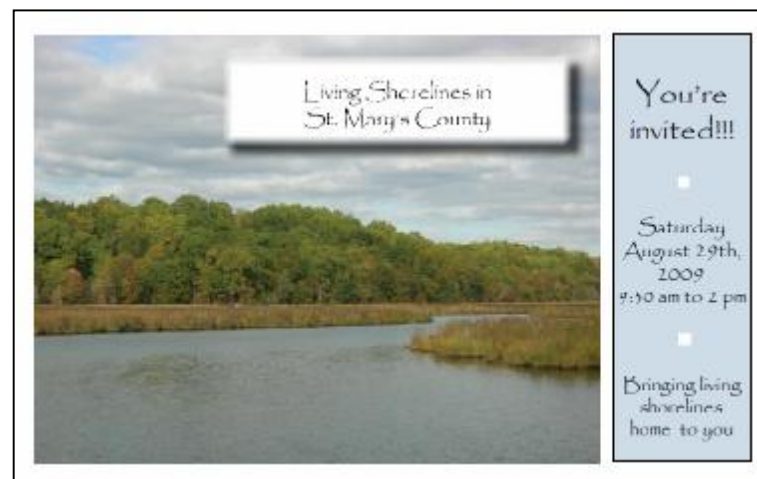
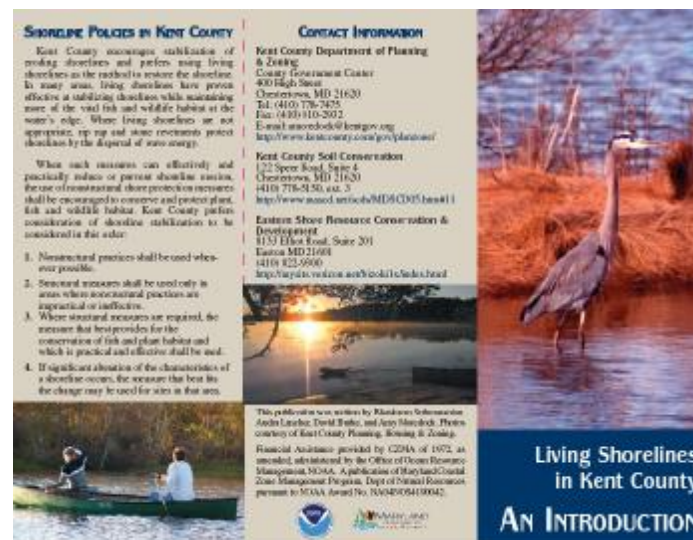
Living Shorelines in St. Mary's County January 16, 2010

Catherine McCall
Chesapeake & Coastal Program, DNR



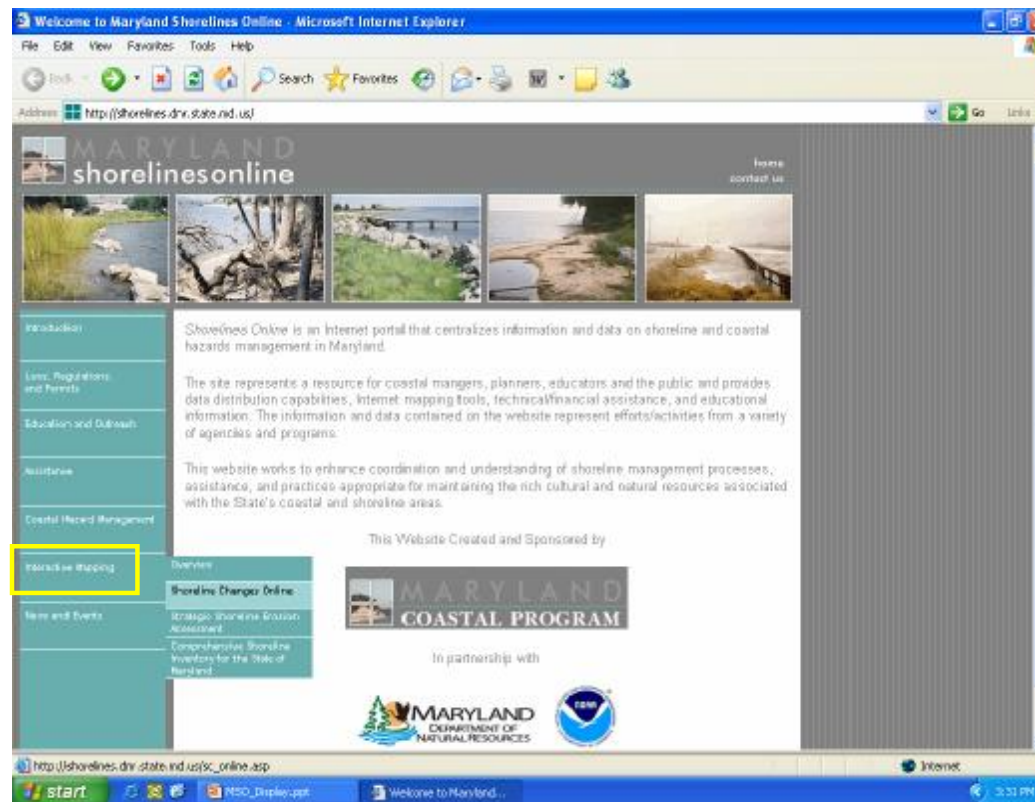
Maryland Department of Natural Resources

- Living shorelines pamphlets and literature
- Shoreline education lessons
- Site visits
- Living shorelines professionals training
- Living shorelines outreach, education, and training events
- Shoreline data review



Maryland Shorelines Online

<http://shorelines.dnr.state.md.us>



Resources Online



- Regulatory information
- K-12 coastal hazard education lessons and fact sheets
- Interactive mapper

Maryland Coastal Atlas

<http://shorelines.dnr.state.md.us>

Quick tools and information to look at:

Fetch

Exposure

Shoreline erosion control

Historical shoreline change

Technical & financial assistance

Research

Living Resources & Habitats

Shoreline access points

Bank condition

Buffers

Sea level rise & flood inundation

Living shorelines

Shoreline Inventory

Erosion Vulnerability

Maryland Coastal Atlas

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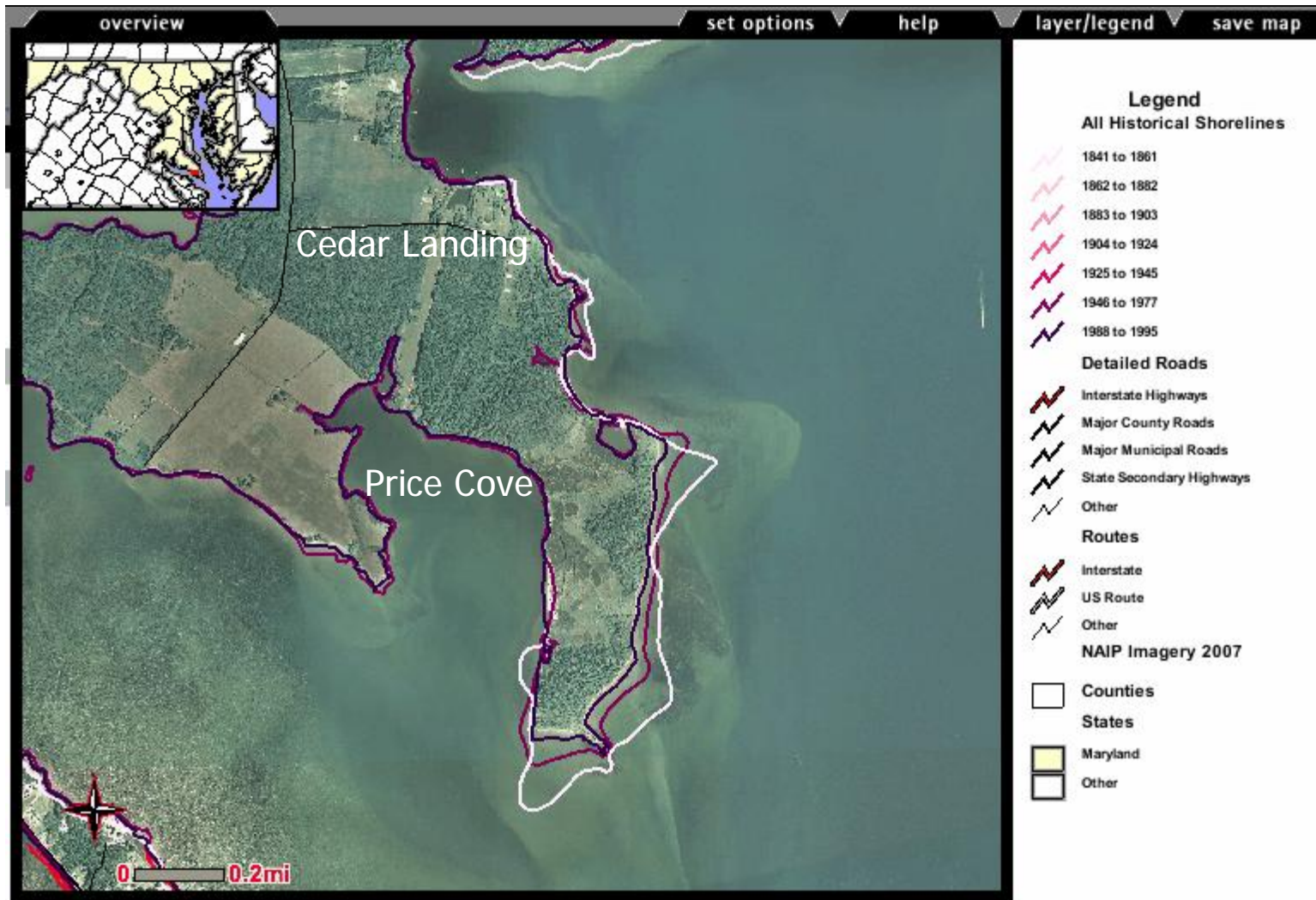
Sea level rise & flood inundation

Living shorelines

Shoreline Inventory

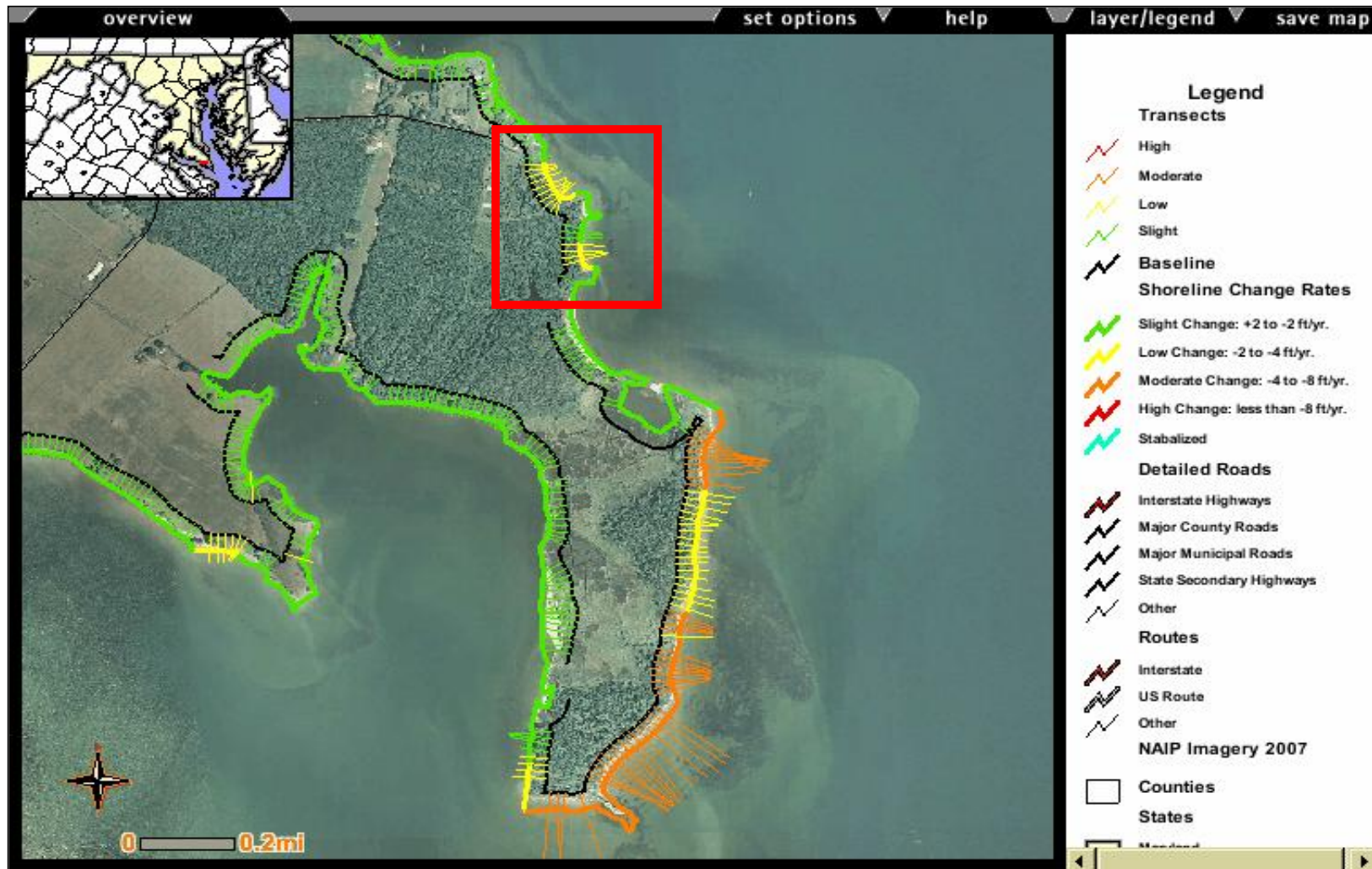
Erosion Vulnerability

Historical Shoreline Positions



Shorelines
from late
1800s
through 1995

Historical Shoreline Change



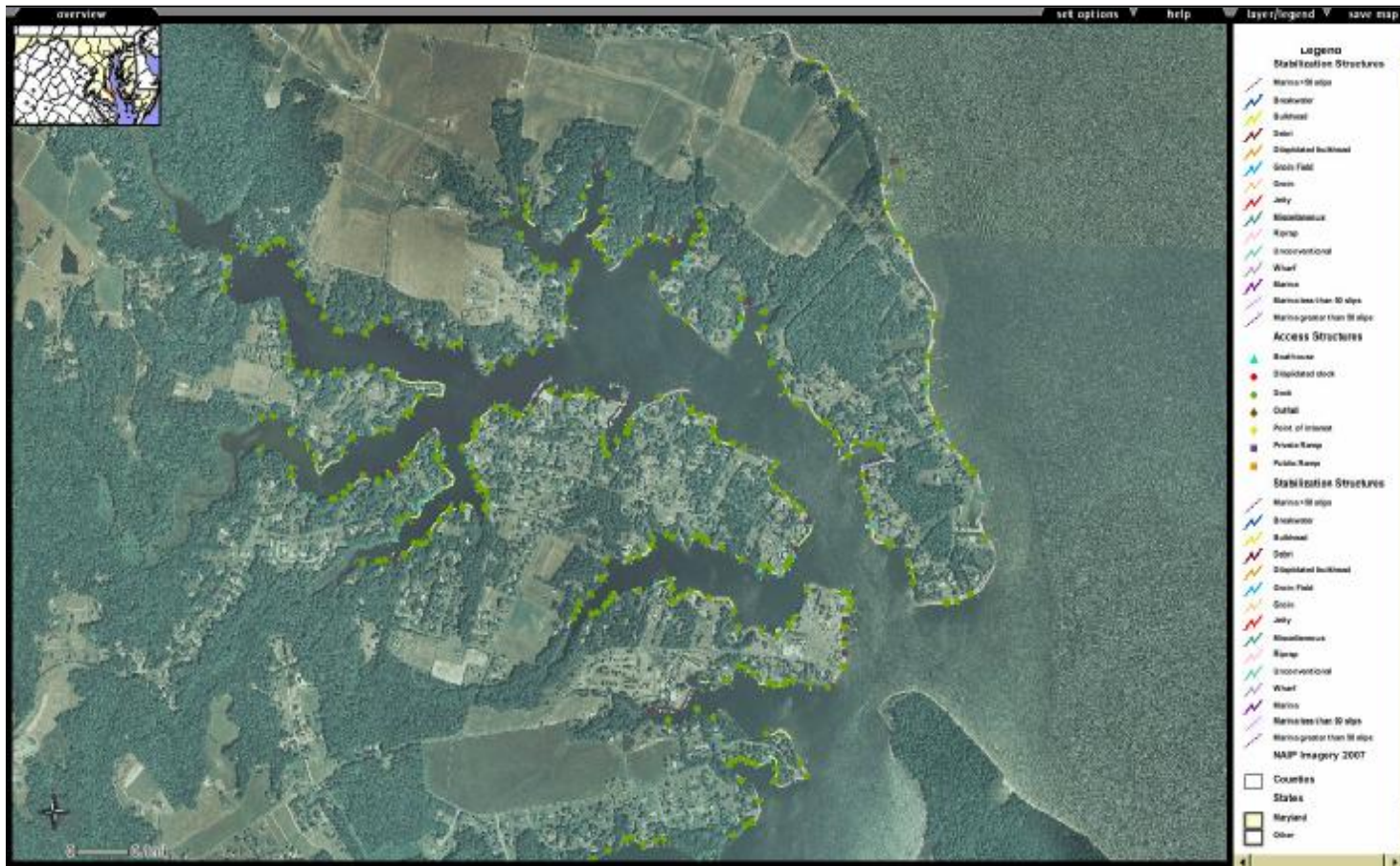
Quick estimates of rates of shoreline change on your property or community

Historical Shoreline Change



Quick estimates of rates of shoreline change on your property or community

What structures are already present?



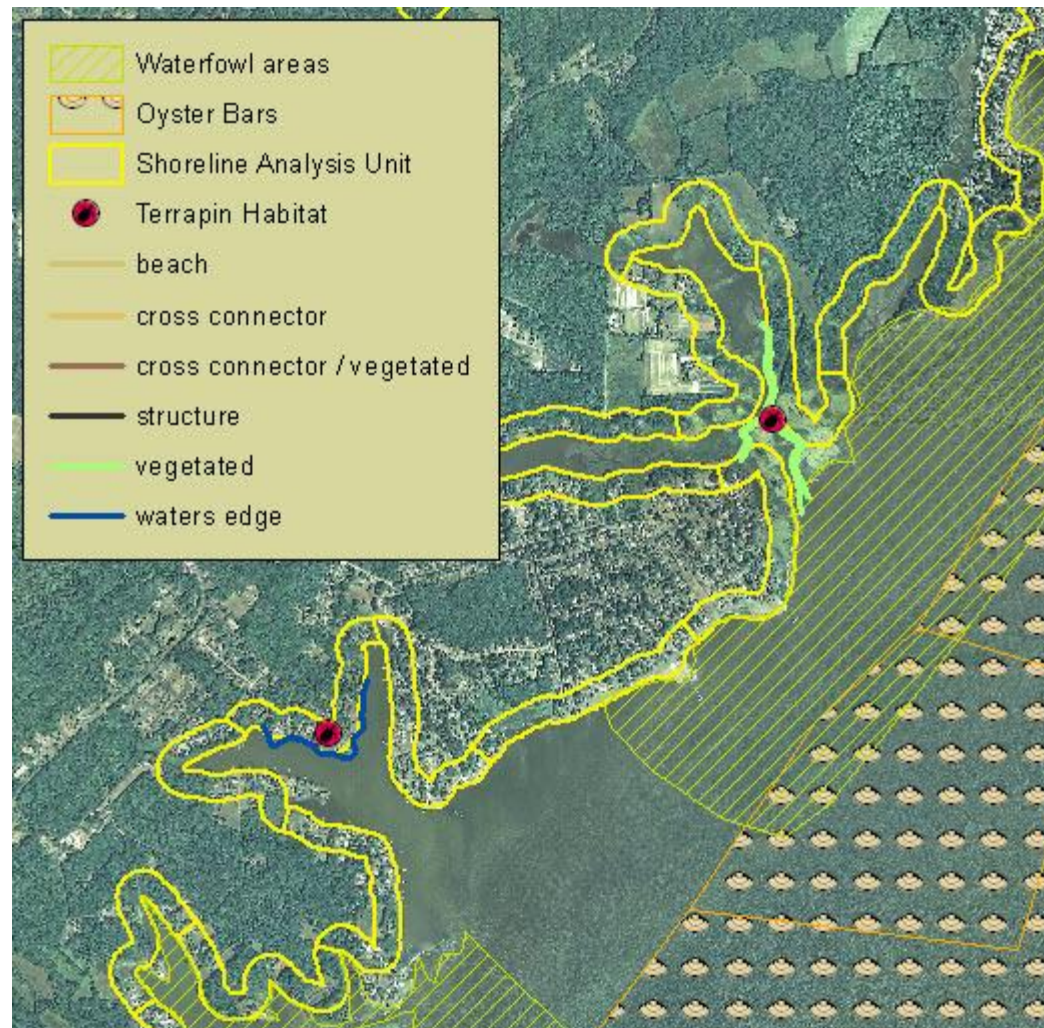
Bulkheads and
riprap are being
used to prevent
shoreline
erosion.

There are docks
and piers
located along
the shoreline.

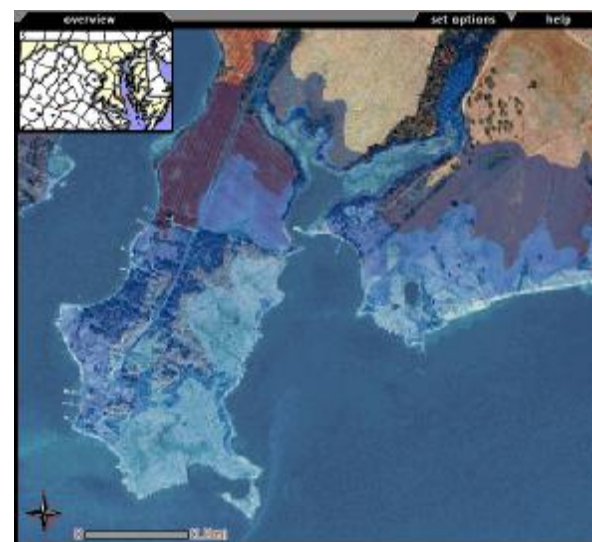
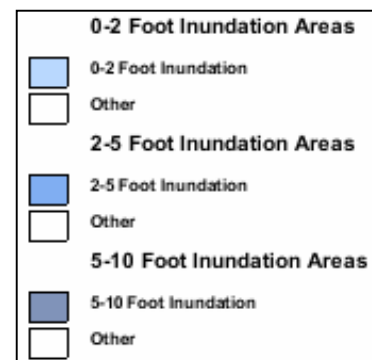
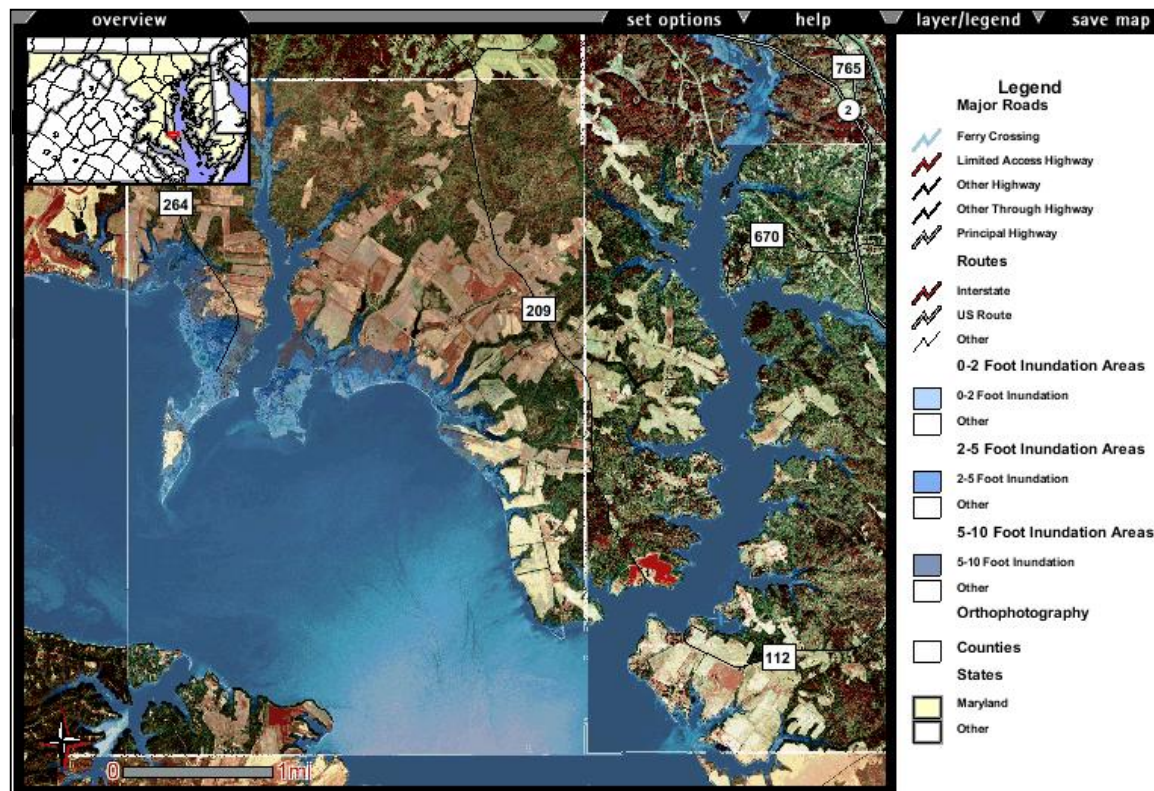
Shoreline Stabilization Structures



Living Resources & Coastal Habitat



Sea Level Rise Vulnerability



Mapping Trainings

MARYLAND
shorelinesonline



SHORELINE MANAGEMENT TOOLBOX

TRAINING WORKSHOP

Presented by:

The Maryland Chesapeake & Coastal Program
Maryland Department of Natural Resources
<http://shorelines.dnr.state.md.us>



Print copies and
electronic copies on CD
are available

A 2 hour training
workshop is periodically
offered

Training courses also
available "by request" for
individuals and
communities

In The Zone – Service News

- The Chesapeake and Coastal Program offers a periodic service news that highlights upcoming trainings, events, and program news, including RFP opportunities.
- To sign up, visit:
<http://www.dnr.state.md.us/bay/czm/>



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[Privacy policy](#)

What the Chesapeake & Coastal Program can assist you with:

- Literature/Guides on living shorelines and shoreline change
- Mapping trainings – individual or community
- Mapping assistance
- Facilitation of printed shoreline condition maps
- Notification of trainings and other opportunities to learn more
- Site visits to discuss shoreline options

Questions?

Please visit:

<http://shorelines.dnr.state.md.us/>



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